

4-19-06

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1

of 3

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|------------------------|---------------------|
| Application Number     | 10/694,548          |
| Filing Date            | October 27, 2003    |
| First Named Inventor   | Stuart G. MacDonald |
| Art Unit               | 3766                |
| Examiner Name          | M. BOCKELMAN        |
| Attorney Docket Number | 1196 005 302 0251   |

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines where<br>Relevant Passages or<br>Relevant Figures Appear |
|-------------------|-----------------------|--|--------------------------------|--|--|
| MB                | 1.                    | 20040093041                                      | 05-13-2004                     | MacDonald  |  |
|                   | 2.                    | 6640137  | 10-28-2003                     | MacDonald  |  |
|                   | 3.                    | 3623817  | 11-30-1971                     | Celio  |  |
|                   | 4.                    | 3648152  | 03-07-1972                     | Low  |  |
|                   | 5.                    | 3780425  | 12-25-1973                     | Penn   |  |
|                   | 6.                    | 3781176  | 06-28-1974                     | Ade  |  |
|                   | 7.                    | 4014346  | 03-29-1977                     | Brownlee   |  |
|                   | 8.                    | 4019364  | 04-26-1977                     | Maddox   |  |
|                   | 9.                    | 4026727  | 05-31-1977                     | Carney   |  |
|                   | 10.                   | 4095998  | 06-20-1978                     | Hanson   |  |
|                   | 11.                   | 4422146  | 12-20-1983                     | Yamaguchi  |  |
|                   | 12.                   | 4505427  | 03-19-1985                     | Bridges  |  |
|                   | 13.                   | 4938244  | 07-03-1990                     | Kumada   |  |
|                   | 14.                   | 5073758  | 12-17-1991                     | Postlewait   |  |
|                   | 15.                   | 5137927  | 08-11-1992                     | Wolff  |  |
|                   | 16.                   | 5241828  | 09-07-1993                     | Kapitulnik   |  |
|                   | 17.                   | 5403792  | 04-04-1995                     | Kita   |  |
|                   | 18.                   | 5439528  | 08-08-1995                     | Miller   |  |
| MB                | 19.                   | 5446437  | 08-29-1995                     | Bantien  |  |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind<br>Code <sup>5</sup> Known | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines where<br>Relevant Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
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| Examiner signature | <i>Mark Bockelman</i> | Date Considered | 6-2-06 |
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|  |      | Art Unit               | 3766                |
|  |      | Examiner Name          | M. BOCKELMAN        |
| Sheet 2  | of 3 | Attorney Docket Number | 1196 005 302 0251   |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |  |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2,4</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines where<br>Relevant Passages or<br>Relevant Figures Appear |
| MB                    | 20.                   | 5491452  | 02-13-1996                     | Ohtsubo  |  |
|                       | 21.                   | 5507879  | 04-16-1996                     | Gyoten   |  |
|                       | 22.                   | 5522856  | 06-04-1996                     | Reineman   |  |
|                       | 23.                   | 5532284  | 07-02-1996                     | Bartlett   |  |
|                       | 24.                   | 5565763  | 10-15-1996                     | Attendale  |  |
|                       | 25.                   | 5697956  | 12-16-1997                     | Bornzin  |  |
|                       | 26.                   | 5708371  | 01-13-1998                     | Koyama   |  |
|                       | 27.                   | 5742471  | 04-21-1998                     | Barbee, Jr.  |  |
|                       | 28.                   | 5784401  | 07-21-1998                     | Suzuki   |  |
|                       | 29.                   | 5827326  | 10-27-1998                     | Kroll  |  |
|                       | 30.                   | 5869892  | 02-09-1999                     | Ohtsubo  |  |
|                       | 31.                   | 5900447  | 05-04-1999                     | Ishida   |  |
|                       | 32.                   | 5952837  | 09-14-1999                     | Koyama   |  |
|                       | 33.                   | 5957956  | 09-28-1999                     | Kroll  |  |
|                       | 34.                   | 5993996  | 11-30-1999                     | Firsich  |  |
|                       | 35.                   | 6015630  | 01-18-2000                     | Padture  |  |
|                       | 36.                   | 6078183  | 06-20-2000                     | Cole, Jr.  |  |
|                       | 37.                   | 6160042  | 12-12-2000                     | Ishida   |  |
| MB                    | 38.                   | 6207886  | 03-27-2001                     | Kusakabe   |  |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |   |  |
|--------------------------|-----------------------|--|--------------------------------|---|--|
| Examiner Initials        | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind<br>Code <sup>5</sup> Known | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines where<br>Relevant Passages or Relevant<br>Figures Appear |
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| Examiner signature | <i>Mal Ball</i> | Date Considered | 6-2-06 |
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| MB                    | 39.                   | 6207887  | 03-27-2001                     | Bass   |  |
|                       | 40.                   | 6232907  | 05-15-2001                     | Nagaraj  |  |
|                       | 41.                   | 6252762  | 06-26-2001                     | Amatucci   |  |
| MB                    | 42.                   | 20040150298  | 08-05-2004                     | Styblo   |  |
|                       | 43.                   |  |                                |  |  |
|                       | 44.                   |  |                                |  |  |
|                       | 45.                   |  |                                |  |  |
|                       | 46.                   |  |                                |  |  |
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